

# round cylinder DSNU-50-160-PPV-A

Part number: 196046

FESTO

For position sensing, with adjustable end-position cushioning. Various mounting options, with or without additional mounting components.



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 160 mm  |
| Piston diameter                            | 50 mm   |
| Piston rod thread                          | M16x1,5   |
| Cushioning                                 | PPV: Pneumatic cushioning adjustable at both ends                           |
| Assembly position                          | Any   |
| Design structure                           | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Position detection                         | For proximity sensor  |
| Operating pressure                         | 1 ... 10 bar  |
| Mode of operation                          | double-acting   |
| Operating medium                           | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium         | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC    | 2 - Moderate corrosion stress   |
| Ambient temperature                        | -20 ... 80 °C   |
| Cushioning length                          | 20 mm   |
| Theoretical force at 6 bar, return stroke  | 989.6 N   |
| Theoretical force at 6 bar, advance stroke | 1,178.1 N   |
| Moving mass                                | 813 g   |
| Product weight                             | 1,727 g   |
| Mounting type                              | with accessories  |
| Pneumatic connection                       | G1/4  |
| Materials note                             | Conforms to RoHS  |
| Material cover                             | Wrought Aluminium alloy   |
| Material seals                             | NBR<br>TPE-U(PU)  |
| Material piston rod                        | High alloy steel  |
| Material cylinder barrel                   | High alloy steel, non-corrosive   |